

Title (en)  
SUBSEA POWER DISTRIBUTION SYSTEM AND METHOD

Title (de)  
UNTERWASSERSTROMVERTEILUNGSSYSTEM UND VERFAHREN

Title (fr)  
SYSTÈME DE DISTRIBUTION D'ÉNERGIE SOUS-MARINE ET SON PROCÉDÉ

Publication  
**EP 3087649 A1 20161102 (EN)**

Application  
**EP 15720997 A 20150507**

Priority

- EP 14174804 A 20140627
- EP 2015060056 W 20150507
- EP 15720997 A 20150507

Abstract (en)  
[origin: EP2961021A1] A subsea power distribution system is provided. The subsea power distribution system has a power input for receiving electrical power at a first voltage level and an input transformer coupled to the power input and adapted to transform received electrical power to a second voltage level which is lower than the first voltage level. A distribution circuit distributes received electrical power to two or more power distribution paths. At least one rectifier unit is provided that receives transformed electrical power from the input transformer and outputs rectified electrical power. The two or more power distribution paths each have an inverter configured to receive rectified electrical power from the rectifier unit and to output AC electrical power at a third voltage level, and a distribution path transformer coupled to the respective inverter and configured to transform the output AC electric power to a fourth voltage level which is higher than the third voltage level.

IPC 8 full level  
**E21B 33/035** (2006.01); **H02K 5/132** (2006.01); **H02P 27/06** (2006.01)

CPC (source: EP US)  
**E21B 41/00** (2013.01 - EP US); **H02J 3/00** (2013.01 - EP US); **H02K 5/132** (2013.01 - US); **H02M 5/40** (2013.01 - US); **H02P 27/06** (2013.01 - US); **E21B 33/0355** (2013.01 - EP US); **E21B 43/128** (2013.01 - EP US); **H02J 2310/12** (2020.01 - EP)

Citation (search report)  
See references of WO 2015197243A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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